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Chapter 1 Introduction



Congratulations on your purchase of **SD333**, which contains menus of different icons related to Dictionaries, Grammar, English Language, Organizer, Calculations, Games, Miscellaneous, System Setup.

Brief Introduction:

1-1 Power Supply:

The device is powered by two Alkaline AAA batteries. Do not mix new batteries with old ones.

Batteries Replacement:

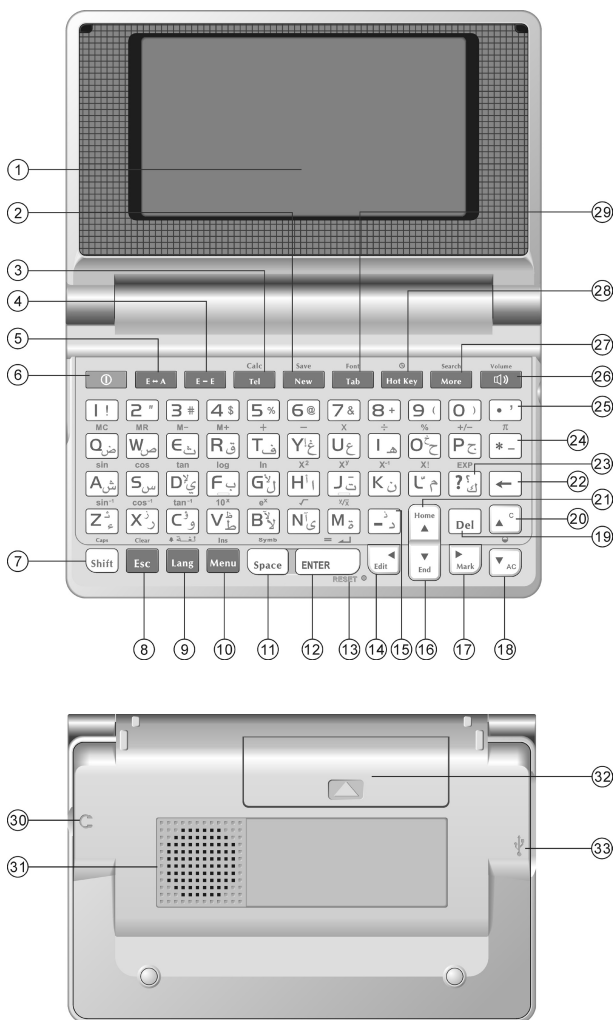
1. Turn off the device.
2. Open the batteries compartment cover.
3. Remove the used batteries and replace them with new ones.
4. Make sure that the batteries are placed correctly according to the polarities marks.
5. Put the batteries compartment cover back.
6. After an opening screen logo has appeared, a reminder message of system initialization will be shown. If you want to keep the stored user data, please press . Otherwise, all stored user data will be cleared once you consecutively pressed  twice.

Note: In case the device would not operate properly, you can RESET the device.

Cautions:

1. Do not touch the screen with sharp-headed objects.
2. Keep the device away from direct sunlight, heat or humidity.
3. Do not repair the device by yourself.
4. Avoid dropping the device, bending or exposing it to strong impact.
5. Do not use detergent, liquid cleansers or solvent (like gasoline) to clean the device.

1-2 Device Layout:



1. LCD
2. New / Save
3. Telephone Hot Key / Scientific Calculator Hot Key
4. Oxford Compact E->E Dictionary Hot Key
5. AMD E->A (Ency.) Hot Key
6. Power On / Off
7. Shift / Caps
8. Esc / Clear Entry
9. Switch Language / Alarm
10. Menu / Insert
11. Space / Symbol
12. Enter / Linefeed Function / =
13. Reset
14. Left Arrow / Edit
15. _
16. Down Arrow / End
17. Right Arrow / Mark
18. Page Down / Adjust Contrast / Clear Formula in Calculations
19. Delete
20. Page Up / Adjust Contrast / Clear the Second Part of Formula
in Calculations
21. Up Arrow / Home
22. Backspace
23. ?
24. *
25. ·
26. Pronunciation / Volume Control
27. More (View Applications List / Supplementary Information) /
Search
28. Hot Key / Time
29. Tab / Font
30. Earphone Jack
31. Speaker
32. Battery Compartment Door
33. USB Jack


Chapter 2 Dictionaries


This menu contains: AMD E->A (Ency.), AMD A->E, Oxford Compact E->E Dictionary, User's Dictionary, Vocabulary, Dialogue, Abbreviations, Learning List and Vocabulary Buildup.


2-1 AMD E->A (Ency.)

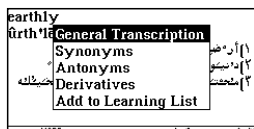
General search, smart input method, nearest word search, spelling check, wildcard search and history search can be used to look up the Arabic definitions of English words and phrases. In this dictionary you can also cross search to AMD A->E or Oxford Compact E->E Dictionary, the pronunciation of keywords is also available in real human voice.

2-1-1 General Search

Input the desired English word or phrase and press .

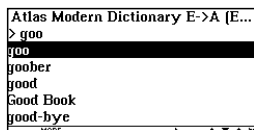
You can press  to look up supplementary information such as synonyms, antonyms, etc.

You can select "Add to Learning List", then press  to add the word to the learning list as record.





2-1-2 Smart Input


Input the first letter or the first few letters of an English word, a list of words will be provided for you to select from.





2-1-3 Nearest Word, Spelling Check and User's Dict


If the inputted word is not available in the dictionary, you can select "Nearest Word", then press  to view the next word according to the alphabetical order.


You can select "Spelling Check", press  to view a list of



words similar to the one inputted, then highlight the desired word and press .

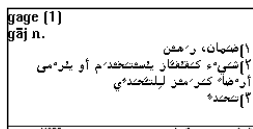
You can select "User's Dict", and then press  to confirm. Input the keyword, its meaning and part of speech then press  to save the word.

2-1-4 Wildcard Search


If you are not sure of the spelling of a word, use "?" to replace the uncertain letter, then press . A list of matching words will be displayed.

e.g. Input "ga?e" then press . The words that are nearest to the one inputted will be shown.


Press  /  to view other related words.

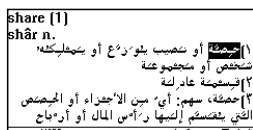


2-1-5 History Search

In the index screen, press  to view a list of the words previously searched for.

2-1-6 Cross Search

In the explanation screen of an English word, you can select any Arabic or English word for cross search in AMD A->E or Oxford Compact E->E Dictionary by highlighting it and pressing .




2-1-7 User's Dictionary

If the inputted English word exists in both AMD E->A (Ency.) and User's Dictionary, you can select either of them to view the word's explanation.

(If the inputted word exists only in AMD E->A (Ency.) or User's Dictionary, you will enter directly to AMD E->A (Ency.) or to the User's Dictionary).

2-1-8 Font Size

Enter the explanations screen of any word. Press  to change the font size.

2-2 AMD A->E

This dictionary is a modern dictionary of Arabic words and phrases with their English explanations. The pronunciation of keywords is available in real human voice.

Steps for looking up words in this dictionary are the same as those of AMD E->A (Ency.).

For more details about General Search, Smart Input Method, Nearest Word and User's Dict Search, History Search, Cross Search, User's Dictionary and Font Size, please refer to (2-1-1, 2-1-2, 2-1-3, 2-1-5, 2-1-6, 2-1-7 and 2-1-8).

2-3 Oxford Compact E->E Dictionary

This dictionary is licensed by Oxford University Press. You can perform general search and sequential search. The dictionary offers English explanations of English words. The pronunciation of keywords is available in real human voice.

Steps for looking up words in this dictionary are the same as those of AMD E->A (Ency.).






For more details about General Search, Smart Input Method, Nearest Word, Spelling Check and User's Dict Search, Wild-card Search, History Search, Cross Search, User's Dictionary and Font Size, please refer to (2-1-1, 2-1-2, 2-1-3, 2-1-4, 2-1-5, 2-1-6, 2-1-7 and 2-1-8).





2-4 User's Dictionary

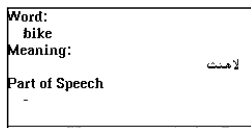
User's dictionary includes E→A user's dictionary, A→E user's dictionary and E→E user's dictionary, which you can use to enlarge your vocabulary.






Enter "E→A User's Dictionary" for example. The browse mode will be displayed directly if any records exist before.

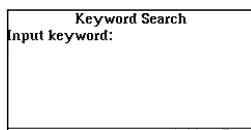
User's Dictionary	
1. E→A User's Dictionary	
2. A→E User's Dictionary	
3. E→E User's Dictionary	

Press   to create new record. Input the keyword and its meaning and press  /  to choose its part of speech. Press  to save the record.


Press  +  +  to edit the record.
Press  to save the record.



Press  +  +  +  to search for a word. Input the desired word, press  to confirm.








Press  to delete the record.

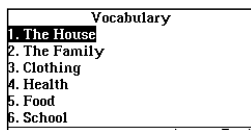
Note: In the edit mode or view mode, the user can press  to listen to the English pronunciation.






2-5 Vocabulary

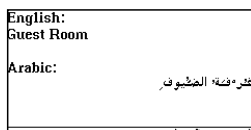
This application provides 18 categories of vocabulary in English and Arabic.



Enter "Vocabulary" application.




Press  /  /  /  to select an item, and then press  to enter its submenu.





Press  /  to select an item, press  to view the contents. Press  /  to view the vocabulary related to the selected item in both English and Arabic languages.



Press  /  to view the previous or next record.


Press  /  to highlight an English or Arabic word, and then press  to cross search.

Press  to listen to the English and Arabic pronunciation.

Press  to return to the previous screen.

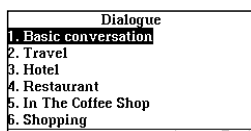
2-6 Dialogue

This application will help you in communicating with foreigners in 14 conversational topics.

Select one of the main topics and press .

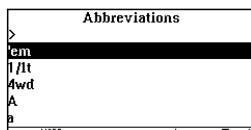
Select one of the subtopics.







Press  to listen to pronunciation.






2-7 Abbreviations


Choose “Abbreviations” application from “Dictionaries” main menu.



Input any abbreviation or press  /  /  /  to select one from the list, then press  to view its full form and Arabic meaning, e.g. input “A.B.A”, then press .

Press  /  to view the contents of the previous or next record.

Press  to listen to the English pronunciation.

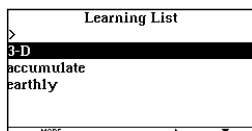
Press  to return to the previous screen.




2-8 Learning List





If some records are saved to Learning List in Atlas Modern Dictionary E→A (Encyclopedic), then you can view them in this application.





Enter "Learning List".



The browse mode will be displayed directly if any records are saved in Atlas Modern Dictionary E→A (Encyclopedic).




Press  /  to select an item, press  to view the contents. e.g. Choose "accumulate".

Press  to highlight the first word, then press  /  to highlight the desired Arabic word. Press  to cross search to Atlas Modern Dictionary A→E.

Press  +  +  +  to change the font size.

Press   to view the supplementary information.


Press  /  to view the previous or next record.

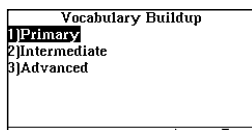
Press  to delete the record.




2-9 Vocabulary Buildup




This application includes some small and simple dictionaries with different level of words. Three levels are provided in vocabulary buildup: 1.Primary, 2. Intermediate and 3. Advanced.

Enter "Vocabulary Buildup" application.

Press  to change the language between English and Arabic.



Press  /  to select an item and press  to enter. e.g. Choose "Primary".

Input the desired word directly or press  /  to select and press  to view contents.

Chapter 3 Grammar

3-1 English Grammar

This application provides basic English grammatical rules with their definitions, usages and many other information.

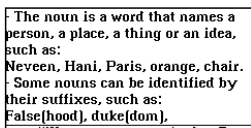
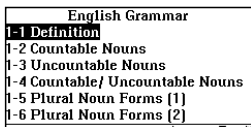
3-1-1 General Search

Enter "English Grammar" application.

Select an item by pressing / / / to highlight it and then press to enter its sub-menu.

Press to change the language.

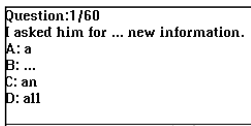
Press / / / to select an item and then press to view its content.



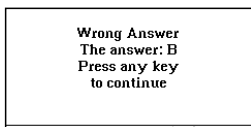
In the content's screen, press / to view data line by line, and / to view the data page by page.


Press + / to highlight words, then press to listen to the English pronunciation.

Press + to have a test related to the grammatical rule.



Press / / or to choose the desired answer. The result will then appear whether the answer is correct or wrong. Press any key to continue.



Press  to view the test result, and press it again to exit.

3-1-2 Cross Search




The operation steps of "Cross Search" are similar to those of "AMD E->A (Ency.)". Please refer to the relevant parts of "AMD E->A (Ency.)" for details.

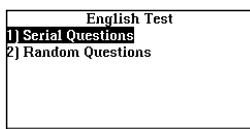
3-2 English Test


This application contains 2004 different questions. There are two kinds of test methods: Serial Questions and Random Questions.

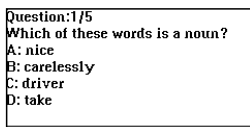
3-2-1 Serial Questions





Enter "English Test" application.

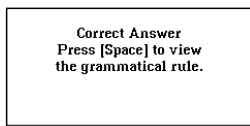
Press  /  to select "Serial Questions" then press .








Input the start and end question numbers, then press  to begin the test. e.g. input "1" then "5".



Press    or  to select the desired answer. The result will then appear whether the answer is correct or wrong.



In the result screen, press  to view the relevant grammatical rule. Press  /  /  /  to view more details. Press any key to return to the test.

Press  to view the test result and press it again to exit.

3-2-2 Random Questions

In “Random Questions”, you only need to input the number of questions you would like to answer, and then the questions will be shown randomly.

3-2-3 Cross Search

The operation steps of “Cross Search” are similar to those of “AMD E->A (Ency.)”. Please refer to the relevant parts of “AMD E->A (Ency.)” for details.

3-3 Arabic Grammar

This application provides basic Arabic grammatical rules with their definitions, usages and many other information. Cross search is also available in this application.

The operation steps of “Arabic Grammar” are similar to those of “English Grammar” such as general search, test and cross search to AMD A->E. Please refer to the relevant parts of “English Grammar” for details.

3-4 Arabic Test







There are two kinds of test methods: “Serial Questions” and “Random Questions”.

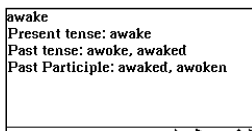
The operation steps of “Arabic Test” are exactly the same as the ones of “English Test” such as cross search to AMD A->E and so on. Please refer to the relevant parts of “English Test” for details.

Chapter 4 English Language

4-1 Irregular Verbs


Choose “Irregular Verbs” application from “English Language” main menu.


Input an irregular verb or press  /  /  /  to select one from the list, then press  to view its past tense and past participle, e.g. input “awake”, then press .



awake
Present tense: awake
Past tense: awoke, awaked
Past Participle: awaked, awoken

Press  /  to view the content of the previous or next record.







Press  to listen to the English pronunciation.

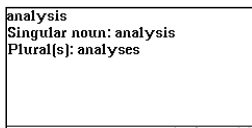
Press  to return to the previous screen.

Note: Cross search is also available in this application.

4-2 Irregular Plural Nouns

Choose “Irregular Plural Nouns” application from “English Language” main menu.


Input a noun or press  /  /  /  to select one from the list, then press  to view its plural(s). e.g. input “analysis”, then press .



analysis
Singular noun: analysis
Plural(s): analyses

Press  /  to view the content of the previous or next record.

Press  to listen to the English pronunciation.

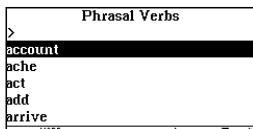
Press  to return to the previous screen.






Note: Cross search is also available in this application.

4-3 Phrasal Verbs


This application provides English phrasal verbs with their Arabic definitions.

Choose “Phrasal Verbs” application from “English Language” main menu.



Input a verb or press  /  /  /  to select one from the list, then press  to look it up.






Press  /  to view the content of the previous or next record.

Press  to return to the input screen.

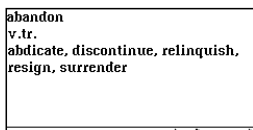
4-4 Synonyms

Choose “Synonyms” application from “English Language” main menu.



Input an English word or press


 /  /  /  to select one from the list, then press  to view its synonyms, e.g. input


“abandon”, then press .



Press  /  to view the contents of the previous or next record.

Press  +  to change the font size.

Press  to listen to the English pronunciation.

Press  to return to the input screen.

Note: Cross search is also available in this application.

4-5 Antonyms


-- Please refer to the relevant parts of “Synonyms” for details.

Chapter 5 Organizer


5-1 Telephone

This application allows you to save data such as name, telephone number, address, fax, e-mail, mobile, etc. in both English and Arabic languages.



5-1-1 Create a New Record

Input the required information,
press  to save.





Name:
Gender: female
Mobile 1:
Mobile 2:


Note: Press  to change the input language.



5-1-2 Search for a Record

To search for a record, press  +  to enter the searching mode. Press  /  to highlight “Name Search” or “Keyword Search” and press  to enter the selected mode.

In “Name Search” mode, press



 /  to highlight “Arabic Name” or “English Name” and press  to enter the selected name search mode, and then select the name and press  to view its data.


In “Keyword Search” mode, input the keyword and press  to view its data.

Press  /  to view other records.

Press  to exit.

5-1-3 Delete or Edit a Record

To delete a record, highlight it and then press , and then press  to delete the record.


To edit a record, highlight it then press , edit data and then save the changes.

5-2 Schedule





In this application, you can save the content, date and time of appointments. You can also set the alarm to remind you of the appointment's time. Data can also be marked to assure secrecy.





5-2-1 Data Entry



Enter "Schedule" application.

Press  to select English or Arabic input mode.


Date:	12 / 5 / 2010
Time:	12:00AM - 12:00AM
Alarm:	12:00AM
Content:	



Press  /  /  /  to move the cursor and use the keyboard to input the date and time.

To input special symbols, press  +  and then the corresponding numeric key to select one. Press  /  to get more symbols.

Press  or  to select "AM" or "PM" respectively.

Input the alarm time, then press  +  to set the alarm on or off (off is set as default).

Note: If the alarm is switched on, the symbol  will appear beside the alarm time.

Press  +  to mark or unmark the record.

Note: To hide the marked record(s), you must set the password in "System Setup".

After inputting the necessary data, press  to save the record.

Note: To save a record, you must enter data in the "Content" field.

5-2-2 Searching, Editing and Deleting

In “Schedule”, you can also search by “Date Search” and “Keyword Search”, edit and delete data. Please refer to the relevant parts of “Telephone” for details.

5-3 Calendar

“Calendar” starts from 1970 to 2037 in Gregorian mode, and from 1389 to 1459 in Hijri mode. It can be displayed either in Gregorian or Hijri modes.

Enter “Calendar” application.

Press / to view the previous or next month.

29/05/1431 ** 2010 05 **						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Press + to enter the search mode.

Search
1. Gregorian Calendar
2. Hijri Calendar

Press / to highlight “Gregorian Calendar” or “Hijri Calendar” and press to enter the selected searching mode.

Input the desired date and press to view its data.

Press to exit.

Note: If there is any record stored in “Anniversary”, there will be an indicator “!” in the calendar; if there is any record stored in “Schedule”, there will be an indicator “_” in the calendar.





5-4 Personal Information

There are 7 fields for personal data entry: Name, Date of Birth, Telephone Number, Address, ID Card, Blood Type and Other.

Enter “Personal Information” application, press / / / to move the cursor to different input fields.

Name:
Date of Birth: 12/ 5/2010
Tel. No.:
Address:

After inputting data, press  to save the record.

Press  +  to edit the record, then press  to save the changes. Press  to delete the record.

Press  to exit.

5-5 PC Link

You can connect the device to a personal computer for two-way transmission, either sending or receiving data between the PC and the device: Send (PC to SD333) or Receive (SD333 to PC).




Connect the device with your PC by using the cable provided with the device.

Caution: PC Link Program must be installed before connecting USB the cable.





5-6 Data Deletion

In this application, you can delete any of the following data: Telephone, User's Dictionary or All Data.

Enter "Data Deletion" application.

Press  /  to select the item you want to delete and press .

Data Deletion	
Telephone	
Schedule	
User's Dictionary	
Unmarked Data	
Marked Data	
All Data	

The message "Delete all records? Yes / No" will appear. Press  to retain all records. Press  and then the message "Confirm Deletion? Yes / No" will appear. Press  to retain all records. Press  again to delete all the records of the selected item.


Press  to exit.

Chapter 6 Calculations



6-1 Scientific Calculator

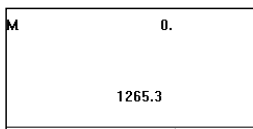
This calculator can perform the major functions of the scientific calculator. It includes various functions such as logarithm calculation, trigonometry, square root, cube root, etc.



Enter “Scientific Calculator” application.

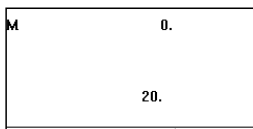
Press  to clear the numbers, and press it again to return to “Calculations” main menu.


6-1-1 Arithmetic Calculation

To calculate ‘ $786.1+479.2=?$ ’, enter ‘786.1’ and press  (i.e. ‘+’), then enter ‘479.2’ and press  (i.e. ‘=’) to get the result. The result is ‘1265.3’.






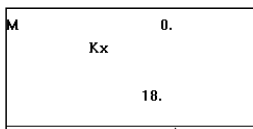
To calculate ‘ $200 \times 10\%=?$ ’, enter ‘200’ and press  (i.e. ‘x’), then enter ‘10’ and press  (i.e. ‘%’) to get the result. The result is ‘20’.




Press  to clear the numbers.

6-1-2 “K” and Square Root Calculation

Enter ‘3’ and press  (i.e. ‘x’) twice, then enter ‘2’, and press  to get the result ‘6’. Press  once more to calculate ‘ $6 \times 3=18$ ’ and so on.



To calculate ‘ $\sqrt{81}=?$ ’, input ‘81’, then press  (i.e. ‘ $\sqrt{}$ ’) to get the result ‘9’.

Press  to clear the numbers.

6-1-3 Other Calculations

To calculate '1234+867+cos30= ?', enter '1234' and press $\boxed{+}$ (i.e. '+'), then enter '867' and press $\boxed{+}$, then enter '30' and press $\boxed{\cos}$ (i.e. 'cos'). Press $\boxed{\text{ENTER}}$ to get the result '2101.866025'.

Press $\boxed{\text{Esc}}$ to clear the numbers.

Note: Press $\boxed{\text{C}}$ to clear second part of formula. Press $\boxed{\text{AC}}$ to clear all formula. Other functions can be operated in the same way.

6-1-4 Memory

Press $\boxed{M+}$ (i.e. 'M+') to add the value to the memory.

Press $\boxed{M-}$ (i.e. 'M-') to subtract the value from the memory.

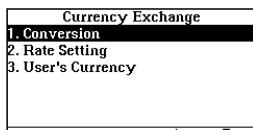
Press \boxed{MR} (i.e. 'MR') to view the value stored in the memory.

Press \boxed{MC} (i.e. 'MC') to delete the value in the memory.

6-2 Currency Exchange

42 kinds of currencies are collected and two-way conversion is available for all units. You can also set 2 user's currencies.

Enter "Currency Exchange" application.



6-2-1 Conversion

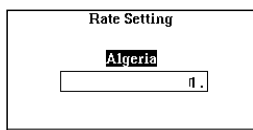
Highlight "Conversion" in "Currency Exchange" submenu and press $\boxed{\text{ENTER}}$ to confirm.

Press $\boxed{\text{Home}} / \boxed{\text{End}}$ to switch between upper and lower fields. Press $\boxed{\text{Left}} / \boxed{\text{Mark}}$ to select the desired currency for conversion. Enter the value you want to convert and press $\boxed{\text{ENTER}}$ to get the conversion result.


6-2-2 Rate Setting

Highlight "Rate Setting" in "Currency Exchange" submenu and press $\boxed{\text{ENTER}}$ to confirm.







Press $\boxed{\text{Left}} / \boxed{\text{Mark}}$ to select the desired currency.



Enter the desired rate and press

 to confirm the setting.







6-2-3 User's Currency

Highlight "User's Currency" in "Currency Exchange" submenu and press  to confirm. Press  /  to highlight a user's currency field and press  to enter the input mode. Input the currency name and press  to save. Press  to exit.









6-3 Metric Conversion


There are 6 categories in Metric Conversion which are length, area, capacity, weight, temperature and power. Two-way conversion is available for all units.

Enter "Metric Conversion" application.

Press  /  to select one measurement or press  to enter the "Measurements" screen, press  /  to highlight the desired category and press  to confirm. e.g. select "Weight".

Measurements	
1. Length	
2. Area	
3. Capacity	
4. Weight	
5. Temperature	
6. Power	

Press  /  to switch between upper and lower fields. Press  /  to select one unit or press  to enter the "Units" screen. Press  /  to highlight the desired unit and press  to confirm.

Input the value you want to convert in the selected field and press  to get the conversion result.




Press  to return to "Calculations" main menu.




6-4 Loan Calculator




This application allows you to calculate the monthly payment and total interest. It also gives you information about the paid


interest, paid principal and total paid amount. The remaining amount of the loan can also be calculated in this application.

Enter “Loan Calculator” application.



Press  /  to select an input field. After you input the values in the required fields, press  to get the result.

Loan Calculator	
Start at [M/Y]:	5/2010
Principal:	0
Interest:	0 %
Period [year]:	0
<div>    </div>	

After getting the result, press  +  to inquire. Enter the desired year and month, and then press  to calculate the Paid Interest, Paid Principal, Total Paid Amount, etc.

Result	
Monthly Payment:	193.328015294
Total Interest:	1599.68091767
<div>  </div>	




You can also press  +  after getting the result to edit the calculation.




Press   to return to “Calculations” main menu.



6-5 Interest Calculator

This application allows easy calculation of the interest by inputting the principal, rate and period.

Enter “Interest Calculator” application.

Press  /  to select an input field. After inputting the values in the required fields, press  to get the result.

Interest Calculator	
Principal :	0 .
Annual Rate [%] :	%
Period [year] :	
<div>    </div>	


Press   to return to “Calculations” main menu.

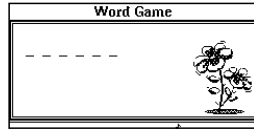
Chapter 7 Games









This application includes 5 interesting games for your leisure.

7-1 Word Game

Enter “Word Game” application.




You can press  to listen to the pronunciation. You have 9 chances to input letters to guess the pronounced word, otherwise, you will lose.

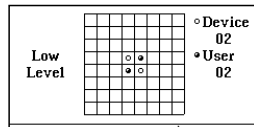







1. The number of hyphens on the screen represents the number of letters of the word to be guessed. If you input a wrong letter, press  once, or press  to get a hint, a chance will be deducted and the number of lost chances will be shown on the screen. (Note: Press  to view the Arabic explanation for the hidden word.)
2. When you input a correct letter, it will be displayed in the appropriate position. If you cannot guess the correct word within 9 chances, then you will lose the game. After finishing the guess, the correct answer and its explanation in Arabic will be displayed.
3. Press  /  to continue the game. Press  to exit, the message “Exit? Yes / No” will then appear. Press  to continue playing the game, or press  to view the result and exit.

7-2 Square Chess




Enter “Square Chess” game.

Press  /  to highlight “Low Level” or “High Level” and press  to confirm.






1. Press  /  /  /  to move the checker to the desired place and press  to confirm.
2. The device and the user play the checker successively. Only the

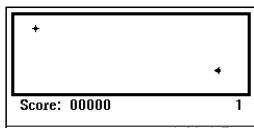
checker placed in a blank pane and traps the opponent's checkers is valid. The checkers trapped by any opponent will be turned over. Whoever occupies more checkers at last will be the winner.










3. Press  to exit, the message "Exit? Yes / No" will then appear. Press  to continue playing the game, or press  to exit.

7-3 Shooting

Enter "Shooting".




Press  /  to select First, Second or Third Level and press  to start the game.

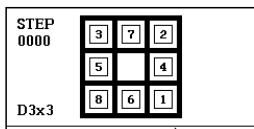









1. Press  /  /  /  to move the machine gun to aim at the targets or bombs and press  to shoot. 100 points will be gained for each target shot, and 200 will be gained for each bomb shot.
2. Press  to pause, and press it again to resume the game. If the machine gun is exploded by a bomb or hit by a target, the game will be over.
3. Press  to exit, the message "Exit? Yes / No" will then appear, press  to continue playing the game, or press  to exit.

7-4 Puzzle

Enter "Puzzle" game.

Press  /  to highlight "Low Level" or "High Level" and press  to start the game.




1. Press  /  /  /  to move the blocks. The number of steps will be shown on the left side of the screen.
2. If all the numbers are arranged in an increasing order horizontally, the player will win.
3. Press  to exit, the message "Exit? Yes / No" will then appear. Press  to continue playing the game, or press  to exit.

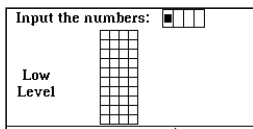
7-5 Chess Wisdom






It is a very interesting pastime game that is also helpful to improve your analysis ability.

Choose and enter "Chess Wisdom".

Press  /  to select "Low Level" or "High Level", then press

 to enter the game.





1. Press  /  to move the cursor and input four numbers from 0-9, then press  to confirm and the result will be displayed:
 - indicates both the number and the position are correct;
 - indicates the number is right but the position is wrong.
2. If you can not get the correct answer within ten chances, you will lose the game.
3. Press  to view the answer.
4. Press  to exit.

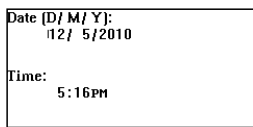
Chapter 8 Miscellaneous

8-1 Date, Time and Local City


In this application, you can set the time, date of the selected local city.


Enter “Date, Time and Local City” application.



Press  /  to toggle between the day, month and year to set the date.



Press  /  to move to the time field and set the time.

Press  to save the setting, and enter the local city screen.



Input the desired local city or country, then press  to view the related information.

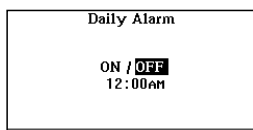
Press  +  in the local city screen to set the daylight-saving time.



8-2 Daily Alarm


You can set the alarm time and switch it “ON” or “OFF”.


Enter “Daily Alarm” application.

Press  /  to set the alarm “ON” or “OFF”.



Press  /  to move to the alarm time field and input the desired time.

Press  to save the setting.



Press  to exit without saving the setting.




8-3 Stopwatch

Enter “Stopwatch” application.








Press  to start timing. Press  to pause, but the interior clock will continue working.

Press  to exit. When entering the “Stopwatch” application again, it will show the interior time and go on counting. Press  to make the stopwatch go on counting starting from the interior time.


Press  to stop the stopwatch. Press  to reset the timer. Press  to exit.

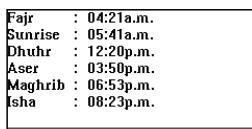
8-4 Prayer Times

This application allows you to know the prayer times in your local city or in any world city you choose.

Press  /  to choose “Alarm” or “Location”, press  /  and  to set the alarm on / off or set the location between “World” and “Local”.

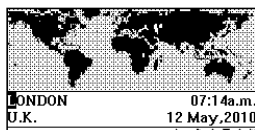


Press  to view the prayer times of the chosen city.

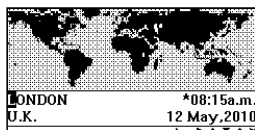





8-5 World Time



You can type the first letters of one city to find it, for example, type “amm” for “Amman”. You can also type its full name.



Note: Press  +  to set the daylight-saving time.

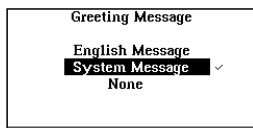



Press  or  /  to view more information about the selected city.

In this application, you can also press  to select a city and press  two times, you will then find the distance between the selected city and the holy city Mecca.





8-6 Greeting Message

Enter “Greeting Message” application.




Select “English message” to input a desired greeting message, and press .

Input a greeting message.

To input special symbols, you can press  +  and then press the relevant numeric key to select one. Press  /  to get more symbols.


Press  to listen to the greeting message’s pronunciation.



Press  to save the data and exit.

8-7 Chemical Elements

This application provides a list of chemical elements sorted by atomic no., symbol and name.

Enter the desired item, then look for the desired element. Press



 to view information about the chosen element.

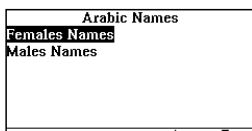
Note: Press  +  to enable the search function.




8-8 Arabic Names



This application provides the most common Arabic names written in both English and Arabic with their meanings.

Enter "Arabic Names".

Press  /  to view the name of Females or Males.



e.g. Choose "Females Names". Input a female name or press  /  to select one name, then press  to confirm.



Press  /  to view the previous or next female name.

Press   to exit.

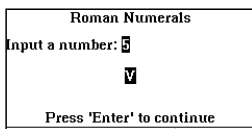
8-9 Roman Numerals

In this application, you can look for the Roman equivalents of the numerals.

Enter "Roman Numerals" application.

Input a number ranging from 1 to 9999, e.g. "5", and then press  to view the equivalent Roman numeral. Press  to continue.

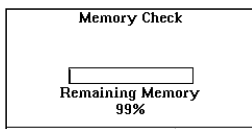
Press   to exit.




8-10 Memory Check

This application shows the free memory in percentage.

Enter "Memory Check" application.



Press  to view the number of records saved in different applications.

Press   to exit.

Chapter 9 System Setup

There are eleven items in System Setup: Display Format, Calendar Setup, Auto Power-off Time, Hot Keys Setup, LCD Contrast, Keys' Sound, Sound Setup, Password, Language Preference, Device Information and Favorite Location.

9-1 Display Format

You can set the time and date format of the device.

Enter “Display Format” application.

1. Time Format 12 24
2. Date Format M/D/Y D/M/Y

Press / to select the desired format item. (e.g. select “Time Format”)

Press / to choose the desired display format for time and date. (e.g. choose “12” for Time Format)

Press to save the setting.

Press to exit without saving the setting.

9-2 Calendar Setup

Enter “Calendar Setup” application.

Calendar Setup
Gregorian ✓
Hijri

Press / to set the Calendar.



Press to save the setting.


Press to exit without saving the setting.


9-3 Auto Power-off Time

Enter “Auto Power-off Time” application.


Auto Power-off Time
3 minutes

Press  /  to set the auto power-off time.

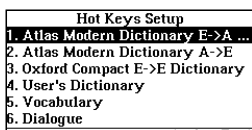
Press  to save the setting and exit.


Press  to exit without saving.






9-4 Hot Keys Setup


There are 9 applications defaulted as hot keys. You can select other applications to replace the old ones to act as hot keys, which allows you to enter those applications directly after pressing .




Enter “Hot Keys Setup” application.



Select the application you would like to replace and press .

Press  /  /  /  to select the application you want to replace the old one with, then press  to confirm.

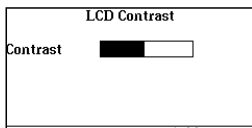
After setting the hot keys applications, press  and the hot keys applications you set will be displayed.



Press  /  or relevant numeric key to select any of them and press  to enter the selected application.


Press  to exit.


9-5 LCD Contrast

Enter “LCD Contrast” application.



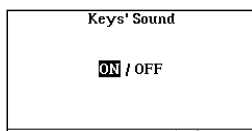
Press  /  to set the LCD Contrast.



Press  to save the setting.


Press  to exit without saving the setting.


9-6 Keys' Sound

Enter "Keys' Sound" application.



Press  /  to set the keys' sound "ON" or "OFF".

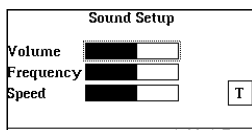
Press  to save the setting and exit.





Press  to exit without saving.


9-7 Sound Setup


In this application, you can set the speech volume, frequency and speed.


Enter "Sound Setup" application.



Press  /  to choose "Volume", "Frequency" and "Speed", then press  /  to adjust the setting.

Press  to test the speech setup.

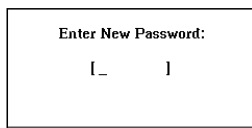
Press  to save the setting and exit.


Press  to exit without saving.

9-8 Password

You can set and change the password in "Password" application and you can also set it On or Off.




Enter "Password" application.



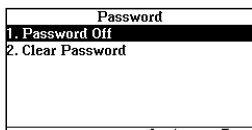
Input a new password with a maximum of 8 English letters or numbers and press .

Confirm the password and press , the password will then be set and activated.

Enter “Password” application, after setting the password the shown screen will appear.

Select “Password Off”, input the password, and then press  to set the password off. When the password is set off, enter “Password” again, select “Password On” and press  to activate it. Select “Clear Password”, input the old password, and then press  to clear the password.



Press  to exit.



9-9 Language Preference




Enter “Language Preference” application.



Press  /  to select the Arabic font or display language. If “None” is selected in the display language, you will be asked to select the display language when turning on the device.

Press  to exit.

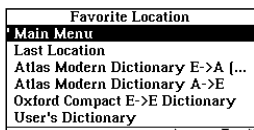
9-10 Device Information




Press  /  to select “Device Information” from the list, and then press  to view the information of this device.

9-11 Favorite Location

“Favorite Location” enables you to set the application you would like to enter directly once the device is turned on.

Enter "Favorite Location" application.



Press  /  to select an item, then press  to confirm. The selected application will be marked as shown in the screen.

Press  to exit.

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Due to Technological Development:

All upgraded editions are subject to change without any further notice. We apologize that there may be some minor differences between the contents stated in the user's manual and the actual operations of the product.

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